

## Appendix D: Band Edge

### Test Result (worst case)

| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm)  | Verdict |
|-------|-----------|------------|---------|------------|---------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0      | -21.35,-27.14 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5      | -25.68,-36.07 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0      | -27.50,-24.97 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0      | -37.68,-27.64 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5      | -27.55,-19.92 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0      | -24.62,-27.97 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#0      | -23.37,-29.41 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#5      | -27.49,-35.85 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0      | -29.59,-26.33 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#0      | -38.48,-29.34 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#5      | -25.64,-21.03 | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0      | -25.09,-30.26 | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0      | -42.77,-37.30 | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#99     | -41.28,-58.16 | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0    | -28.74,-32.32 | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0      | -58.82,-44.76 | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#99     | -36.57,-44.23 | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0    | -33.61,-30.70 | PASS    |
| Band2 | 20MHz     | 16QAM      | 18700   | 1RB#0      | -44.44,-38.29 | PASS    |

|       |        |       |       |             |               |          |
|-------|--------|-------|-------|-------------|---------------|----------|
|       |        |       |       |             |               | S        |
| Band2 | 20MHz  | 16QAM | 18700 | 1RB#99      | -43.48,-59.64 | PAS<br>S |
| Band2 | 20MHz  | 16QAM | 18700 | 100RB#<br>0 | -31.83,-35.11 | PAS<br>S |
| Band2 | 20MHz  | 16QAM | 19100 | 1RB#0       | -59.37,-46.37 | PAS<br>S |
| Band2 | 20MHz  | 16QAM | 19100 | 1RB#99      | -36.34,-44.81 | PAS<br>S |
| Band2 | 20MHz  | 16QAM | 19100 | 100RB#<br>0 | -36.63,-33.84 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 19957 | 1RB#0       | -23.21,-25.71 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 19957 | 1RB#5       | -26.02,-34.44 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 19957 | 6RB#0       | -26.23,-26.76 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 20393 | 1RB#0       | -33.61,-25.59 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 20393 | 1RB#5       | -24.88,-24.53 | PAS<br>S |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0       | -27.21,-27.14 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0       | -24.83,-26.33 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5       | -27.87,-33.43 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0       | -28.11,-28.08 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0       | -34.58,-27.26 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5       | -27.29,-26.06 | PAS<br>S |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0       | -29.23,-29.25 | PAS<br>S |
| Band4 | 20MHz  | QPSK  | 20050 | 1RB#0       | -43.64,-37.63 | PAS<br>S |
| Band4 | 20MHz  | QPSK  | 20050 | 1RB#99      | -34.34,-58.51 | PAS<br>S |
| Band4 | 20MHz  | QPSK  | 20050 | 100RB#<br>0 | -31.22,-34.26 | PAS<br>S |
| Band4 | 20MHz  | QPSK  | 20300 | 1RB#0       | -35.56,-27.41 | PAS      |

|       |        |       |       |             |               |          |
|-------|--------|-------|-------|-------------|---------------|----------|
|       |        |       |       |             |               | S        |
| Band4 | 20MHz  | QPSK  | 20300 | 1RB#99      | -37.69,-43.73 | PAS<br>S |
| Band4 | 20MHz  | QPSK  | 20300 | 100RB#<br>0 | -33.09,-30.82 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20050 | 1RB#0       | -44.44,-37.65 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20050 | 1RB#99      | -36.93,-59.48 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20050 | 100RB#<br>0 | -31.08,-34.23 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20300 | 1RB#0       | -37.80,-31.14 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20300 | 1RB#99      | -37.87,-44.47 | PAS<br>S |
| Band4 | 20MHz  | 16QAM | 20300 | 100RB#<br>0 | -32.66,-30.13 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20407 | 1RB#0       | -49.22,-31.65 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20407 | 1RB#5       | -56.53,-49.21 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20407 | 6RB#0       | -44.78,-36.67 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20643 | 1RB#0       | -49.13,-55.28 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20643 | 1RB#5       | -33.31,-50.74 | PAS<br>S |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0       | -34.29,-43.25 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0       | -50.22,-32.50 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5       | -56.51,-48.57 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0       | -44.62,-37.87 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0       | -47.90,-56.12 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5       | -36.97,-51.35 | PAS<br>S |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0       | -34.97,-42.50 | PAS<br>S |
| Band5 | 10MHz  | QPSK  | 20450 | 1RB#0       | -56.58,-34.14 | PAS      |

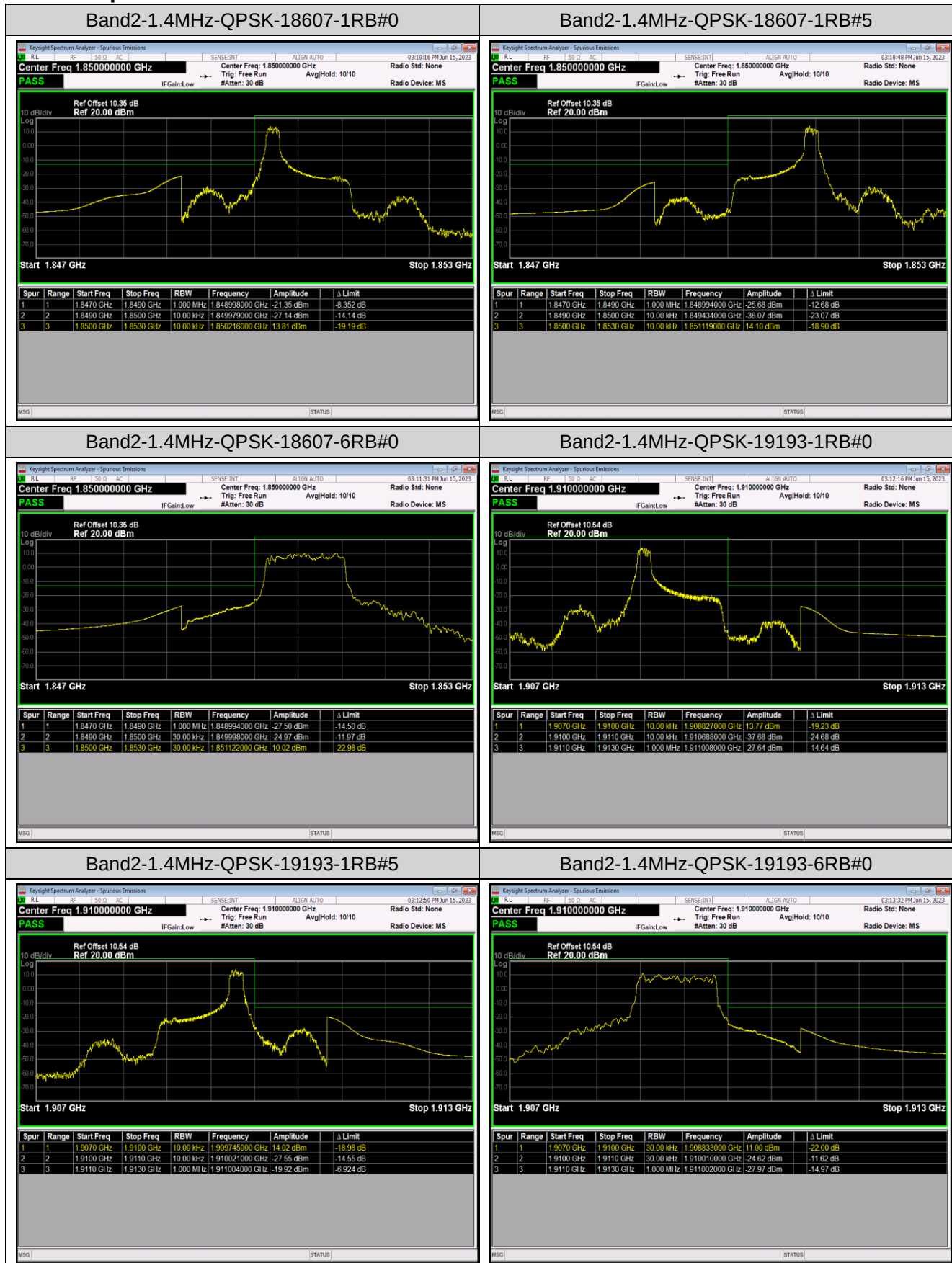
|       |       |       |       |        |                             |          |
|-------|-------|-------|-------|--------|-----------------------------|----------|
|       |       |       |       |        |                             | S        |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49 | -49.47,-50.97               | PAS<br>S |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | -43.67,-35.06               | PAS<br>S |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0  | -50.99,-46.07               | PAS<br>S |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49 | -32.74,-54.24               | PAS<br>S |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | -31.48,-39.13               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0  | -57.79,-36.45               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | -50.18,-52.21               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | -45.08,-36.63               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0  | -51.49,-45.79               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | -33.92,-56.50               | PAS<br>S |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | -33.32,-40.95               | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 20775 | 1RB#0  | -44.96,-34.85,-34.74,-25.61 | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 20775 | 1RB#24 | -49.01,-37.26,-37.16,-43.43 | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 20775 | 25RB#0 | -38.24,-29.36,-20.10,-24.67 | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 21425 | 1RB#0  | -44.01,-36.41,-49.18,-49.51 | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 21425 | 1RB#24 | -26.27,-35.64,-48.14,-45.05 | PAS<br>S |
| Band7 | 5MHz  | QPSK  | 21425 | 25RB#0 | -21.64,-16.01,-38.47,-39.60 | PAS<br>S |
| Band7 | 5MHz  | 16QAM | 20775 | 1RB#0  | -47.37,-37.19,-37.29,-28.72 | PAS<br>S |
| Band7 | 5MHz  | 16QAM | 20775 | 1RB#24 | -49.51,-42.89,-41.72,-46.67 | PAS<br>S |
| Band7 | 5MHz  | 16QAM | 20775 | 25RB#0 | -38.80,-31.45,-20.87,-25.99 | PAS<br>S |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#0  | -46.52,-38.36,-49.33,-49.46 | PAS      |

|            |       |       |       |             |                             |          |
|------------|-------|-------|-------|-------------|-----------------------------|----------|
|            |       |       |       |             |                             | S        |
| Band7      | 5MHz  | 16QAM | 21425 | 1RB#24      | -25.78,-36.32,-48.16,-44.86 | PAS<br>S |
| Band7      | 5MHz  | 16QAM | 21425 | 25RB#0      | -24.50,-19.84,-37.88,-40.81 | PAS<br>S |
| Band7      | 20MHz | QPSK  | 20850 | 1RB#0       | -37.74,-41.82,-40.01        | PAS<br>S |
| Band7      | 20MHz | QPSK  | 20850 | 1RB#99      | -37.76,-46.05,-57.60        | PAS<br>S |
| Band7      | 20MHz | QPSK  | 20850 | 100RB#<br>0 | -30.78,-26.20,-24.21,-27.61 | PAS<br>S |
| Band7      | 20MHz | QPSK  | 21350 | 1RB#0       | -59.54,-46.91,-39.94,-50.44 | PAS<br>S |
| Band7      | 20MHz | QPSK  | 21350 | 1RB#99      | -35.38,-41.94,-41.27,-50.47 | PAS<br>S |
| Band7      | 20MHz | QPSK  | 21350 | 100RB#<br>0 | -26.46,-23.16,-25.75,-48.08 | PAS<br>S |
| Band7      | 20MHz | 16QAM | 20850 | 1RB#0       | -38.96,-43.08,-38.78        | PAS<br>S |
| Band7      | 20MHz | 16QAM | 20850 | 1RB#99      | -38.99,-46.68,-58.66        | PAS<br>S |
| Band7      | 20MHz | 16QAM | 20850 | 100RB#<br>0 | -32.10,-28.16,-26.20,-29.75 | PAS<br>S |
| Band7      | 20MHz | 16QAM | 21350 | 1RB#0       | -58.41,-47.53,-41.30,-50.50 | PAS<br>S |
| Band7      | 20MHz | 16QAM | 21350 | 1RB#99      | -38.06,-42.56,-41.41,-50.52 | PAS<br>S |
| Band7      | 20MHz | 16QAM | 21350 | 100RB#<br>0 | -29.53,-26.06,-27.86,-47.76 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23205 | 1RB#0       | -66.08,-64.55,-36.96,-27.82 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23205 | 1RB#24      | -66.06,-50.15,-50.92,-45.47 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23205 | 25RB#0      | -66.14,-47.25,-33.58,-34.96 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 1RB#0       | -46.70,-46.08,-73.81,-66.17 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 1RB#24      | -27.37,-43.34,-65.73,-66.11 | PAS<br>S |
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 25RB#0      | -36.06,-35.32,-66.68,-66.14 | PAS<br>S |
| Band1      | 5MHz  | 16QAM | 23205 | 1RB#0       | -66.17,-67.73,-41.02,-29.33 | PAS      |

|            |       |       |       |        |                                                             |          |
|------------|-------|-------|-------|--------|-------------------------------------------------------------|----------|
| 3          |       |       |       |        |                                                             | S        |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 1RB#24 | -66.16,-52.93,-54.33,-47.56                                 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | -66.15,-45.47,-34.28,-35.88                                 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0  | -47.85,-46.78,-74.18,-66.16                                 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#24 | -29.75,-42.21,-68.84,-66.16                                 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | -37.15,-35.71,-67.88,-66.15                                 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0  | -65.89,-63.91,-41.53,-34.58,-52.52,-55.72,-59.12,<br>-66.13 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#49 | -65.90,-63.51,-56.42,-52.29,-34.86,-42.38,-73.23,<br>-66.14 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | -65.94,-47.92,-36.59,-39.74,-39.73,-36.90,-56.34,<br>-66.15 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0  | -65.95,-67.12,-43.53,-35.26,-52.77,-56.89,-60.40,<br>-66.13 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#49 | -65.90,-66.09,-57.18,-52.72,-35.06,-43.76,-73.17,<br>-66.05 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | -65.86,-47.71,-36.81,-40.10,-40.17,-36.44,-56.59,<br>-66.15 | PAS<br>S |

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

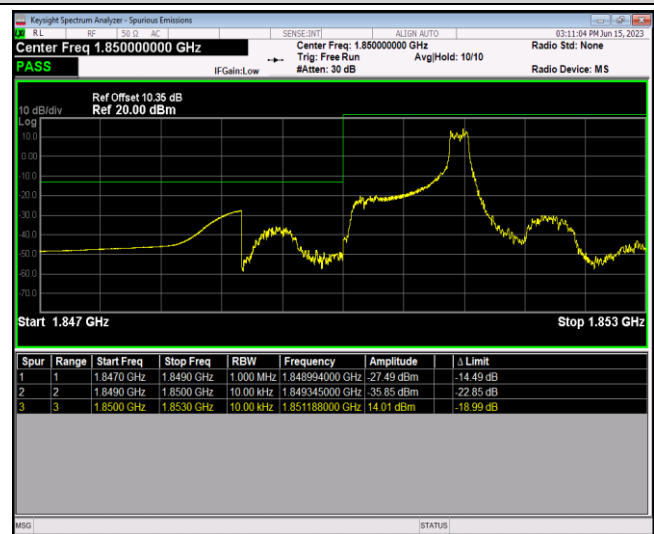
# Test Graphs



### Band2-1.4MHz-16QAM-18607-1RB#0



### Band2-1.4MHz-16QAM-18607-1RB#5



### Band2-1.4MHz-16QAM-18607-6RB#0



### Band2-1.4MHz-16QAM-19193-1RB#0



### Band2-1.4MHz-16QAM-19193-1RB#5



### Band2-1.4MHz-16QAM-19193-6RB#0



### Band2-20MHz-QPSK-18700-1RB#0

### Band2-20MHz-QPSK-18700-1RB#99

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